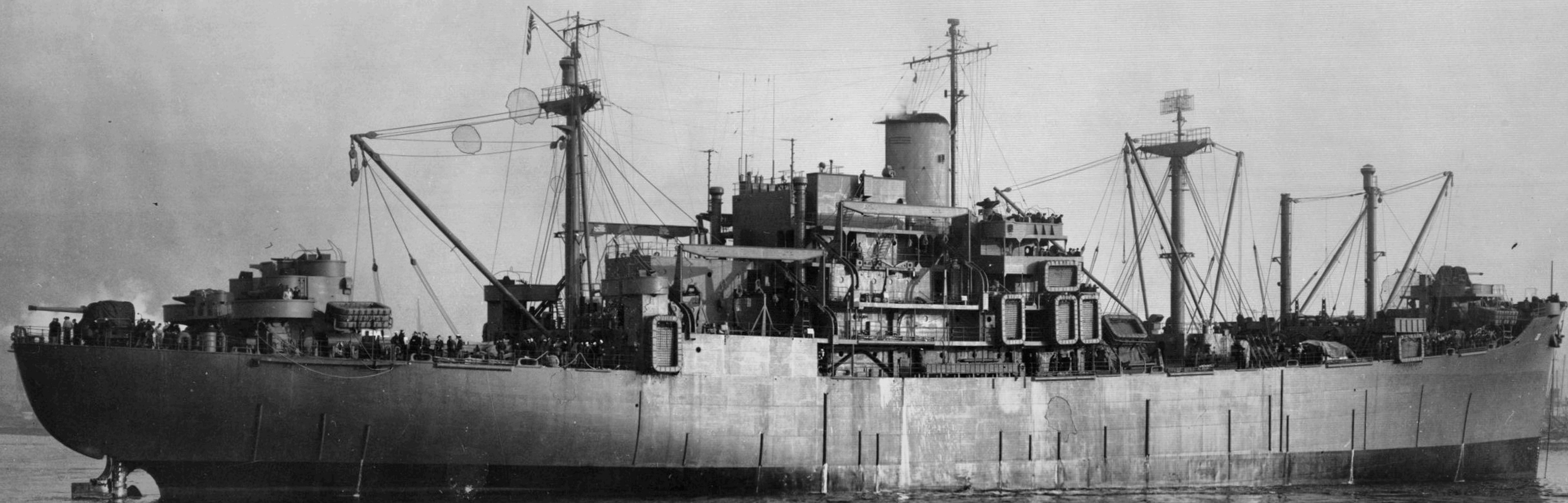
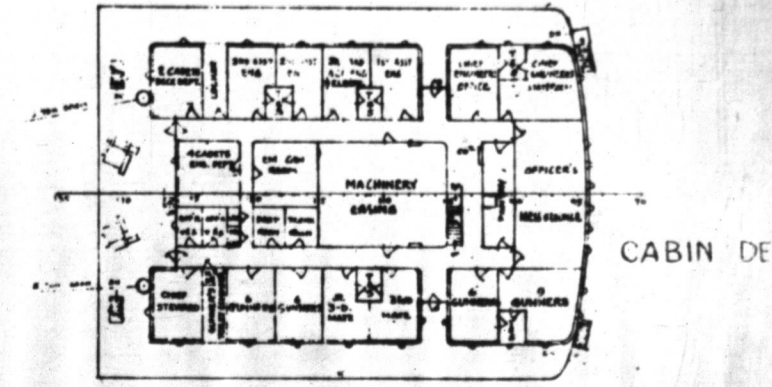
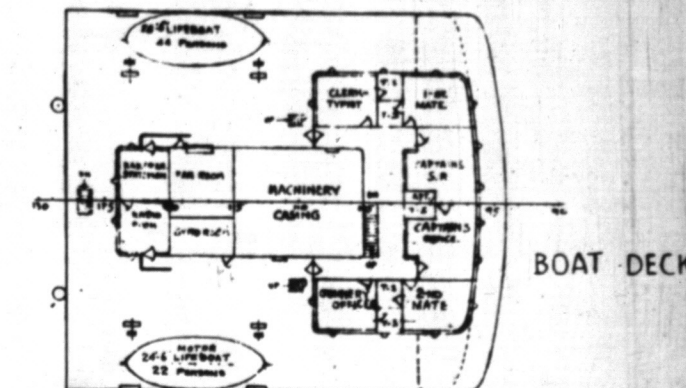
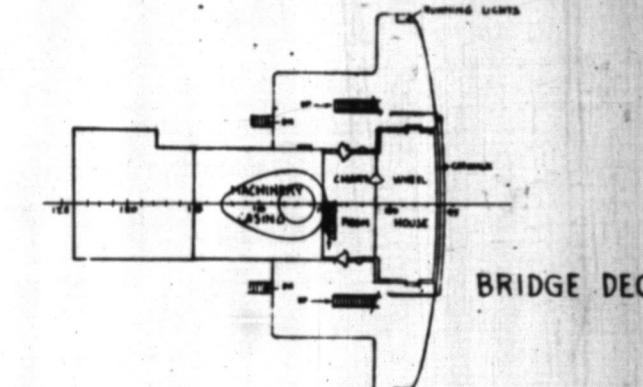
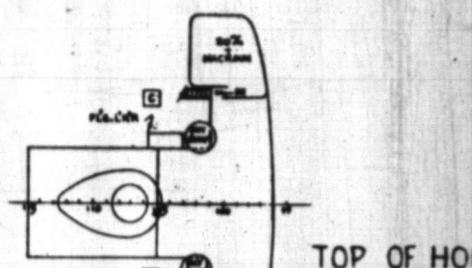
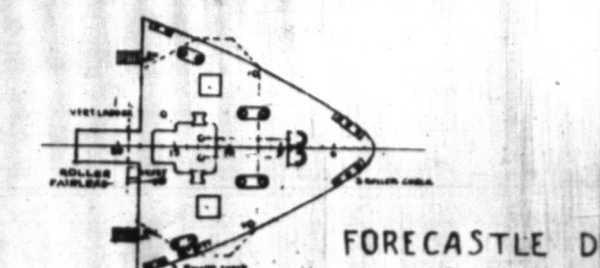
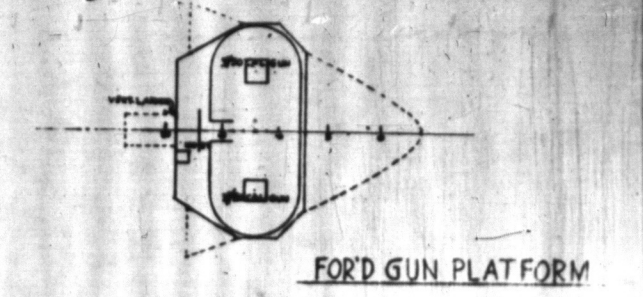
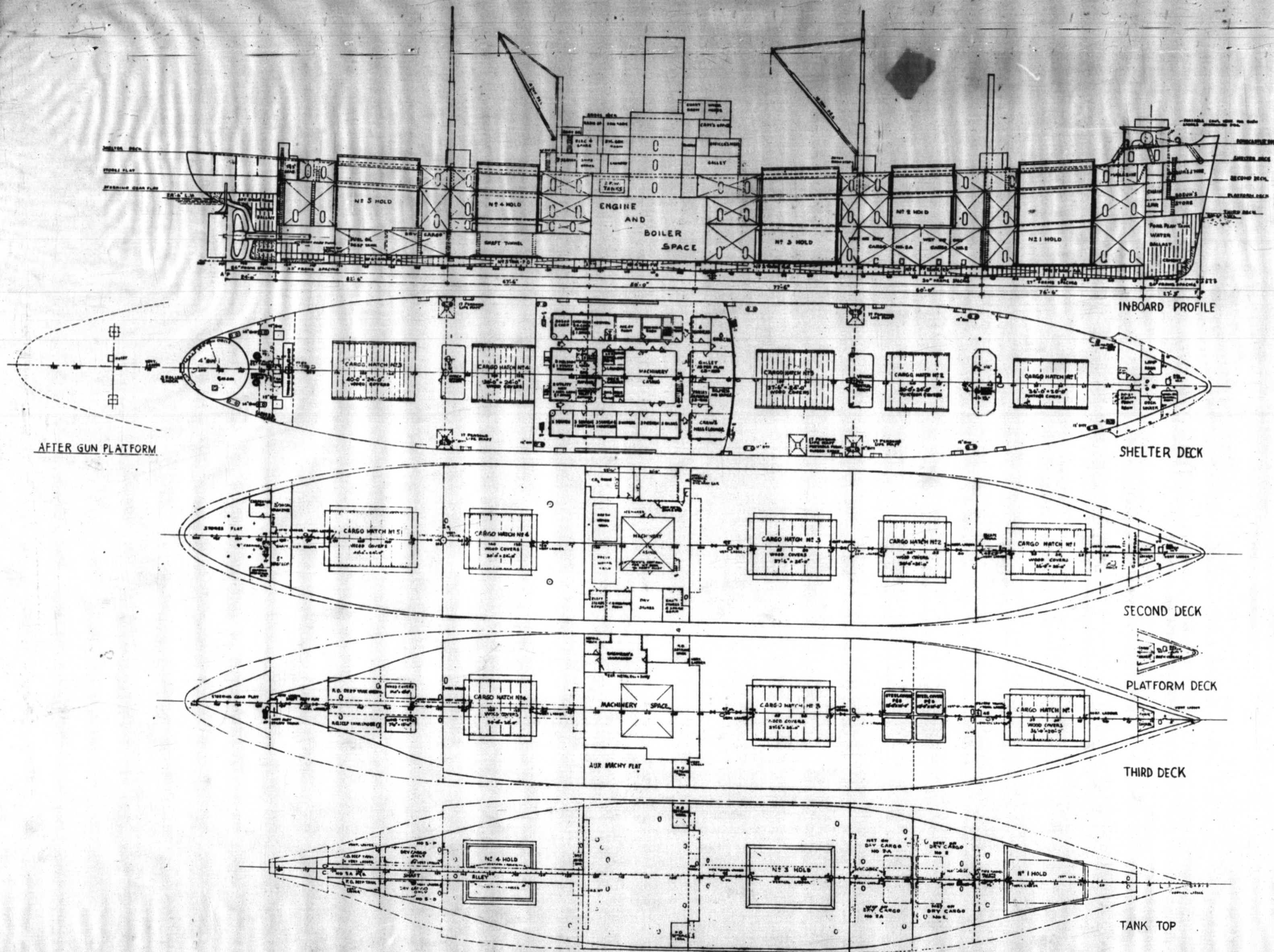
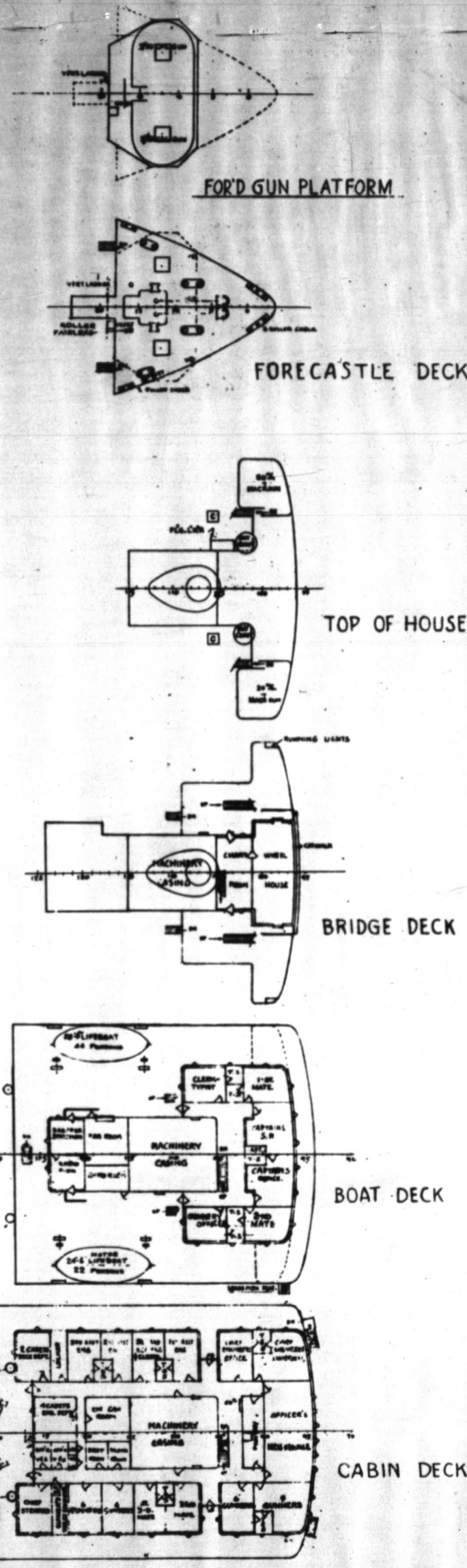
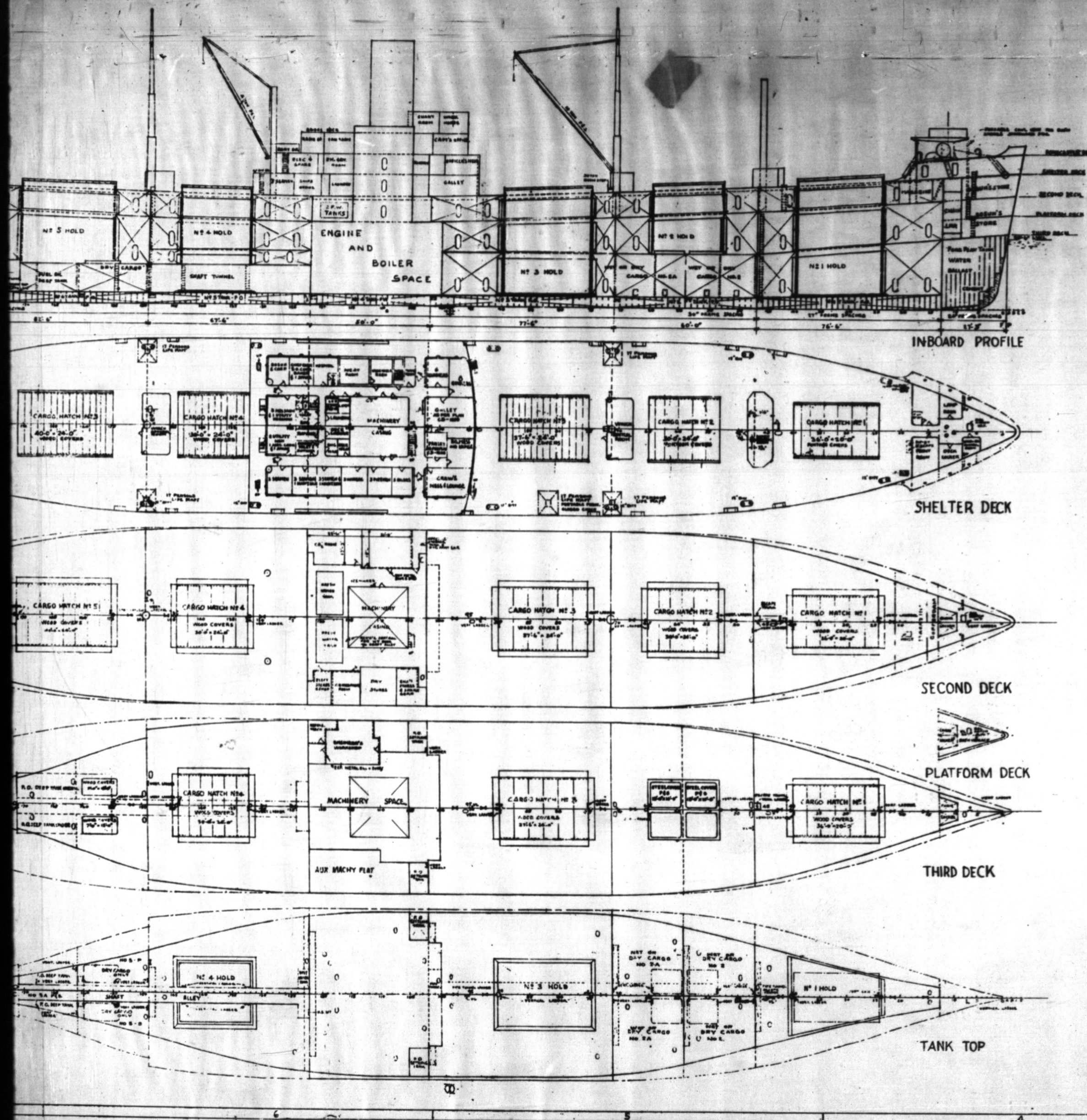






S29-1-5D



DRY CARGO					
NO.	SPACE	LOCATION	C. OF G.	GRAIN	CUBIC FEET
1	UPPERTWEEN	13-47	182.2 F	45.8	33,620
1	LOWER	"	180.0 F	32.6	49,690
1	HOLD	"	181.0 F	15.5	49,430
TOTAL					132,740
2	UPPERTWEEN	47-71	98.5 F	42.4	40,300
2	LOWER	"	99.2 F	29.6	60,060
2	DEEP TANK	P. 47-59	113.5 F	13.1	15,490
2	"	"	"	"	15,490
2	"	P. 39-71	63.0 F	13.2	17,320
2	"	"	"	"	17,320
TOTAL					166,180
3	UPPERTWEEN	71-102	31.0 F	40.2	53,130
3	LOWER	"	32.7 F	28.1	69,360
3	HOLD	"	31.5 F	13.1	69,480
TOTAL					211,970
4	UPPERTWEEN	102-149	91.9 A	39.2	49,430
4	LOWER	"	92.6 A	26.0	50,690
4	HOLD	"	90.7 A	"	32,660
4	STBD	"	90.7 A	13.7	31,440
TOTAL					170,240
5	UPPERTWEEN	149-176	100.2 A	41.4	44,470
5	TONNAGE WELL	176-182	203.3 A	42.6	4,350
5	LOWER TWEEN	149-182	101.5 A	26.2	73,110
5	DEEP TANK	P. 149-161	129.7 A	10.7	5,320
5	"	"	"	"	4,780
TOTAL					132,230
TOTAL DRY CARGO					813,560

FUEL OIL & WATER BALLAST					
NO.	TANK	LOCATION	C. OF G.	GALLONS	TONS
1	DOUBLE BOTTOM	P. 13-47	100.8 F	23,100	86.4
1	"	"	"	23,500	88.2
2	"	P. 47-71	98.3 F	34,800	127.5
2	"	"	"	48,800	177.9
3	"	P. 71-102	29.8 F	63,400	232.1
3	"	"	"	73,700	268.1
5	"	P. 149-176	89.7 A	45,400	167.8
5	"	"	"	45,400	167.8
6	"	P. 176-182	109.8 A	15,700	57.2
6	"	"	"	15,700	57.2
5A	DEEP TANK	P. 161-171	166.9 A	18,300	66.9
5A	"	"	"	13,700	49.2
TOTAL				118,900	431.1
FORD PEAK				13,700	49.2
AFT				102,100	372.9
F.O. SETTLING				19,200	69.6
" " " "				19,200	69.6
TOTAL FUEL OIL OR WATER BALLAST				456,900	1667.7

NOTES:

- GRAIN & LIQUID CAPACITIES ARE CALCULATED FROM TOP OF INNER BOTTOM DECK, OR CEILING TO UNDERSIDE OF DECK PLATING & HATCH COVERS TO SHELL PLATING AT SIDES AND BULKHEAD PLATING AT ENDS - WITH DEDUCTIONS FOR INTERVENING STRUCTURE.
- BALE CAPACITY IS FIGURED FROM THE TOP OF INNER BOTTOM DECK, OR CEILING TO UNDERSIDE OF DECK & HATCH BEAMS TO BATTENS AT SIDES AND TO BULKHEAD STIFFENERS OR PLATING AT ENDS, WITH DEDUCTIONS FOR INTERVENING STRUCTURE.
- EQUIVALENTS USED:
 - FUEL OIL 37.23 CU. FT. = 1 TON
 - CARGO OIL 40.00 " " " "
 - FRESH WATER 35.00 " " " "
 - SALT WATER 35.00 " " " "
 - 1 TON = 2240 LBS.
 - 42 GALS. = 1 BBL.

MEAN	FILLING	FT. PEAK	HOLD
DRAFT	STERN	BOW	AT C
FEET	INCHES	INCHES	TONS
12	5.1	3.3	118
16	4.6	2.9	130
20	4.1	2.6	141
24	3.7	2.4	152
28	3.2	2.1	166
32	2.9	1.9	204
36	2.7	1.7	222

S29-1-5D

